# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 6.1.3 |
| Input Device: | Carousel | Date: | 02/02/2016 11:27 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 10/21/2015 09:33 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124359 | -1 | 1.42 | 124201 | 1.38 |
| Blue | F | SSC | 125000 | 124302 | -1 | 2.42 | 125248 | 2.15 |
| Blue | E | FITC | 17224 | 16597 | -4 | 2.40 | 937 | 7.97 |
| Blue | D | PE | 22462 | 21931 | -3 | 2.03 | 989 | 7.37 |
| Blue | B | PerCP-Cy5-5 | 63940 | 62428 | -3 | 2.57 | 1654 | 11.89 |
| Blue | A | PE-Cy7 | 72480 | 71089 | -2 | 3.56 | 937 | 22.27 |
| Red | C | APC | 63778 | 62236 | -3 | 2.72 | 3519 | 7.43 |
| Red | A | APC-Cy7 | 97254 | 95502 | -2 | 2.91 | 1888 | 7.35 |
| Violet | B | V450 | 10730 | 10391 | -4 | 3.39 | 641 | 7.08 |
| Violet | A | V500 | 42147 | 40889 | -3 | 3.07 | 2305 | 5.23 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 20062 | 1.97 | 574 | -46 | N/A | N/A | Pass |
| Blue | F | SSC | 62145 | 1.39 | 507 | -20 | N/A | N/A | Pass |
| Blue | E | FITC | 101 | 31.65 | 512 | -27 | 0.0318 | 49 | Pass |
| Blue | D | PE | 204 | 22.36 | 507 | -25 | 0.2047 | 122 | Pass |
| Blue | B | PerCP-Cy5-5 | 203 | 34.98 | 591 | -23 | 0.0134 | 0 | Pass |
| Blue | A | PE-Cy7 | 70 | 86.09 | 647 | -26 | 0.0185 | 5 | Pass |
| Red | C | APC | 333 | 23.74 | 573 | -11 | 0.0266 | 29 | Pass |
| Red | A | APC-Cy7 | 119 | 34.88 | 556 | -9 | 0.0059 | 770 | Pass |
| Violet | B | V450 | 68 | 36.31 | 449 | -25 | 0.0673 | 1787 | Pass |
| Violet | A | V500 | 150 | 19.81 | 478 | -25 | 0.0193 | 310 | Pass |

## Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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| Serial Number: | V33896201821 | Software: | BD FACSDiva 6.1.3 |
| Input Device: | Carousel | Date: | 02/02/2016 11:27 AM |
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| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Spec. (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -35.81 | -35.61 | 0.70 |
| Blue | 20.34 | 16.27 - 24.41 | 1.26 | 0.99 - 1.49 | 0.00 | 0.00 | 1.14 |
| Red | 14.80 | 11.44 - 17.16 | N/A | N/A | 36.26 | 36.59 | 1.01 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

## Threshold

Threshold (FSC): 11073

## Fluidics

FACSFlow Pressure: 3.00 Sample Pressure: 2.80
Spec.: 2.90 - 3.10

Comments